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**west virginia** department of environmental protection

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Office of Oil and Gas  
601 57th Street SE  
Charleston, WV 25304  
(304) 926-0450  
(304) 926-0452 fax

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

October 17, 2013

**WELL WORK PERMIT**

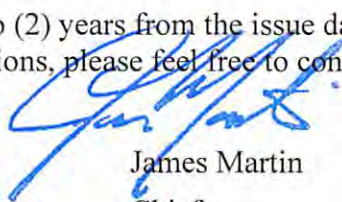
**Re-Work**

This permit, API Well Number: 47-1303785, issued to TRIAD HUNTER, LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.



James Martin  
Chief

Operator's Well No: C. CONNOLLY 6  
Farm Name: CONNOLLY HERITAGE CORP.  
**API Well Number: 47-1303785**  
**Permit Type: Re-Work**  
Date Issued: 10/17/2013

**Promoting a healthy environment.**

# PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

## CONDITIONS

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1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

1303785A

WW - 2B  
(Rev. 8/10)

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

1) Well Operator: Triad Hunter, LLC 494494833 Calhoun Lee Arnoldsburg  
Operator ID County District Quadrangle

2) Operator's Well Number: C. Connolly # 6 3) Elevation: 899 GL

4) Well Type: (a) Oil  or Gas   
(b) If Gas: Production  / Underground Storage \_\_\_\_\_  
Deep \_\_\_\_\_ / Shallow

5) Proposed Target Formation(s): Berea Sand Proposed Target Depth: 2430'-2447'  
6) Proposed Total Depth: 2525 Feet Formation at Proposed Total Depth: Devonian Shale  
7) Approximate fresh water strata depths: surface - 200 feet  
8) Approximate salt water depths: @ 1,000 feet

9) Approximate coal seam depths: Unknown

10) Approximate void depths, (coal, Karst, other): None

11) Does land contain coal seams tributary to active mine? No

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)  
Re-perforate the Berea Sand and shoot Gas Gun across perforations to enhance formation penetration; Pump a nitrogen / solvent mixture at low rates into the formation and shut well in overnight; Flow and/or swab well the next day into the production tank; Turn well back in-line once the nitrogen concentration in the gas is below 5%.

13) 9/13/13 **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor						
Fresh Water	8 5/8"			492'	492'	( 266 cu.ft. )
Coal						
Intermediate						
Production	4 1/2"			- 0 -	2508'	( 151 cu.ft. )
Tubing						
Liners						

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SEP 23 2013

Packers: Kind: \_\_\_\_\_  
Sizes: \_\_\_\_\_  
Depths Set \_\_\_\_\_

WV Department of  
Environmental Protection

State of West Virginia  
DEPARTMENT OF ENERGY  
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: CONNOLLY, RANDALL MRS. Operator Well No.: C, CONNOLLY #6

LOCATION: Elevation: 857.21 Quadrangle: ARNOLDSBURG

District: LEE County: CALHOUN  
Latitude: 2280 Feet South of 38 Deg. 52Min. 30 Sec.  
Longitude 6270 Feet West of 81 Deg. 12 Min. 30 Sec.

Company: PENNZOIL PRODUCTS COMPANY  
P. O. BOX 5519  
VIENNA, WV 26105-5519

Agent: JAMES A. CREWS

Inspector: DEO MACE  
Permit Issued: 09/25/91  
Well work Commenced: 10/4/91  
Well work Completed: 10/4/91  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary \_\_\_\_\_ Cable X \_\_\_\_\_ Rig  
Total Depth (feet) \_\_\_\_\_  
Fresh water depths (ft) N/A  
Salt water depths (ft) N/A  
Is coal being mined in area (Y/N)? N  
Coal Depths (ft): N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
- NOT CHANGED - SEE ORIGINAL WELL RECORD			

OPEN FLOW DATA

Producing formation Berea Pay zone depth (ft) 2432-2456  
 Gas: Initial open flow - - MCF/d Oil: Initial open flow 1 Bbl/d  
 Final open flow - - MCF/d Final open flow 22 Bbl/d  
 Time of open flow between initial and final tests - - Hours  
 Static rock Pressure - - psig (surface pressure) after - - Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
 Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests \_\_\_\_\_ Hours  
 Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

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Office of Oil and Gas

For: PENNZOIL PRODUCTS COMPANY  
By: Timothy P. Roush  
Date: January 27, 1992  
Department of Environmental Protection

SEP 28 2013

FRACTURE RECORD

PERFORATED: Berea 2440-2457 w/10 holes

FRACTURED: Berea w/176 Bbl. gelled water and 4100# 20/40 sand

WELL LOG

SEE ORIGINAL WELL RECORD

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SEP 23 2013  
WV Department of  
Environmental Protection



1303785R

Date October 31, 1985  
Operator's Well No. 6  
Farm C. Connolly  
API No. 47 - 013 - 3785-Rev

WR-35

State of West Virginia  
DEPARTMENT OF ENERGY  
Oil and Gas Division

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil X / Gas     / Liquid Injection     / Waste Disposal     /  
(If "Gas," Production     / Underground Storage     / Deep     / Shallow     /)

LOCATION: Elevation: 899 Watershed Steel Run  
District: ~~Spencer~~ Lee County ~~Roane~~ Calhoun Quadrangle Arnoldsburg 7.5'

COMPANY Pennzoil Company  
ADDRESS P.O. Box 1588, Parkersburg, WV 26102  
DESIGNATED AGENT James A. Crews  
ADDRESS P.O. Box 1588, Parkersburg, WV 26102  
SURFACE OWNER Randall Connolly, Agt.  
ADDRESS 2701 Grand Central Ave., Vienna, WV 26105  
MINERAL RIGHTS OWNER Same as Above  
ADDRESS      
OIL AND GAS INSPECTOR FOR THIS WORK Homer Dougherty  
ADDRESS Linden Rt., Box 3-A, Looneyville, WV  
PERMIT ISSUED 4-23-85  
DRILLING COMMENCED 6-8-85  
DRILLING COMPLETED 6-12-85  
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON    

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	492	492	225 sks
7			
5 1/2			
4 1/2	2508	2508	120 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 2432 feet  
Depth of completed well 2525 feet Rotary X / Cable Tools      
Water strata depth: Fresh 432 feet; Salt 1695 feet  
Coal seam depths:     Is coal being mined in the area? No

OPEN FLOW DATA  
Producing formation Berea Pay zone depth 2430 feet  
Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow 2 Mcf/d Oil: Final open flow 2 Bbl/d  
Time of open flow between initial and final tests     hours  
Static rock pressure 80 psig (surface measurement) after     hours shut in  
(If applicable due to multiple completion--)  
Second producing formation     Pay zone depth     feet  
Gas: Initial open flow     Mcf/d Oil: Initial open flow     Bbl/d  
Final open flow     Mcf/d Oil: Final open flow     Bbl/d  
Time of open flow between initial and final tests     hours  
Static rock pressure     psig (surface measurement) after     hours shut in

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Fractured: 7-31-85

Berea w/250 gls. acid; 134 BGW, 2000# 20/40 sd

Perforated: 2430-2433; 2440-2447/14H

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Clay			0	60	
Sand			60	95	
Silt			95	104	
Sand, Silt			104	866	
Shale			866	907	
Silt			907	920	
Shale, Sand, Silt			920	1695	
Salt Sand			1695	1794	
Shale			1794	1872	
Little Lime			1872	1899	
Pencil Cave			1899	1921	
Big Lime			1921	2053	
Big Injun			2053	2074	
Pocono Shale			2074	2418	
Coffee Shale			2418	2432	
Berea			2432	2456	
Shale			2456	2525	
Total Depth				2525	

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Environmental Protection

(Attach separate sheets as necessary)

Pennzoil Company  
Well Operator

By:

*Curtis A. Luman*

Date:

11-1-85

Note: Regulation 2.02(i) provides as follows:  
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

1303755R CK# 26703  
220000

WW-2A  
(Rev. 6-07)

1.) Date: September 12, 2013  
2.) Operator's Well Number C. Connolly # 6  
State 47- County 013 Permit 3785  
3.) API Well No.: 47- 013 - 3785

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:  5) (a) Coal Operator  
(a) Name Connolly Heritage Corp. Name N/A  
Address 4709 Nottingham Lane Address \_\_\_\_\_  
Stow, Ohio 44224  
(b) Name \_\_\_\_\_ (b) Coal Owner(s) with Declaration  
Address \_\_\_\_\_ Name N/A  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_ Name \_\_\_\_\_  
Address \_\_\_\_\_ Address \_\_\_\_\_  
6) Inspector Ed Gainer (c) Coal Lessee with Declaration  
Address P.O. Box 821 Name N/A  
Spencer, WV 25276 Address \_\_\_\_\_  
Telephone (304) 389-7582

**TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:**

OR Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

X Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 8 on the above named parties by:

- Personal Service (Affidavit attached)
- X   Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

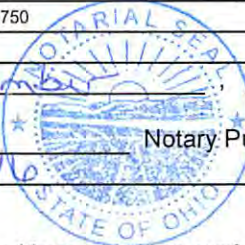
Well Operator Triad Hunter, LLC  
By: Rocky Roberts  
Its: Senior VP Appalachian Operations  
Address 125 Putnam Street  
Marietta, Ohio 45750  
Telephone (740) 374-2940

SEP 23 2013

WV Department of  
Environmental Protection

Subscribed and sworn before me this 16<sup>th</sup> day of September 2013

Elizabeth R. Tebay  
My Commission Expires 2-29-16  
Oil and Gas Privacy Notice



Elizabeth R. Tebay  
NOTARY PUBLIC  
and For The State of Ohio  
My Commission Expires

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov)



WW-2A Coal Waiver

(Not Applicable)

1303785R

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Calhoun  
Operator Triad Hunter, LLC

Operator's Well Number C. Connolly # 6

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW2-A. You are hereby notified that any objection you wish to make or are required to make by WV Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office. Mail objections to:

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0499 extension 1654

WAIVER

The undersigned coal operator \_\_\_\_\_ / owner \_\_\_\_\_ / lessee \_\_\_\_\_ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Company Name  
By \_\_\_\_\_  
Its \_\_\_\_\_  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

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Environmental Protection

1303785R

WW-2A1  
(Rev. 1/11)

Operator's Well Number C. Connolly # 6

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6, Section 8(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Energy Acquisition Corporation ( 4/19/02 )	Triad Energy	1/8	213 /23

**Acknowledgement of Possible Permitting/Approval  
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

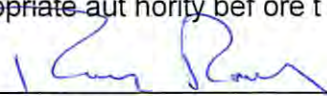
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WV Department of  
Environmental Protection

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator:  
By: Its:

  
\_\_\_\_\_  
Triad Hunter, LLC  
\_\_\_\_\_  
Senior VP Appalachian Operations

1303785 R

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BOOK 136 PAGE 458

RICHARD KIRBY  
CALHOUN County 09:58:33 AM  
Instrument No 12852  
Date Recorded 02/16/2010  
Document Type ASSIGNMENTOG  
Book-Page -  
Recording Fee \$197.00  
Additional \$25.00

OCT 17 2013

WV Department of  
Environmental Protection

**WHEN RECORDED, RETURN TO:**

**David E. Morrison  
2200 Ross Avenue  
Suite 2800  
Dallas, TX 75201-2784**

Ritchie, Tyler, Pleasants, Calhoun, Lewis, Roane, Wayne, Wirt, Wood, Clay,  
and Harrison Counties, West Virginia

**ASSIGNMENT, CONVEYANCE AND BILL OF SALE**

This Assignment, Conveyance and Bill of Sale (the "Assignment") from Triad Energy Corporation ("Grantor"), to Triad Hunter, LLC ("Grantee") whose address is 777 Post Oak Blvd., Ste. 910, Houston, Texas 77056, is executed on the date set forth on the signature page hereof (the "Execution Date"), and made effective as of 7:00 a.m. Eastern Standard Time, February 12, 2010 ("Effective Date") and is subject to the Asset Purchase Agreement dated October 28, 2009 (the "Purchase Agreement"), by and among Triad Energy Corporation and its affiliates, and Magnum Hunter Resources Corporation and its affiliates, dated October 28, 2009 as amended as of January 22, 2010 (the "Purchase Agreement"). This Assignment is made pursuant to the Order Confirming Joint Plan of Reorganization of Triad Resources, Inc., *et al.* dated October 30, 2009, as Modified January 25, 2010, and attached hereto as Exhibit A (the "Confirmation Order"). Capitalized terms used but not defined herein shall have the respective meanings set forth in the Purchase Agreement, the terms of which are expressly subject to and incorporated herein by reference.

**ARTICLE 1.**

**Assignment of Oil and Gas Interests**

Section 1.1 Assignment: Grantor, for and in consideration of the sum of Ten Dollars (\$10) cash and other good and valuable consideration, in hand paid, the receipt and sufficiency of which is hereby acknowledged, hereby grants, bargains, sells,

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Office of Oil and Gas

OCT 17 2013

WV Department of  
Environmental Protection

BOOK 130 PAGE 554

TRIAD ENERGY CORPORATION TO TRIAD HUNTER LLC  
CALHOUN COUNTY, WEST VIRGINIA

WELL NAME	API NO	LESSOR	LESSEE	VOL/PAGE	DISTRICT	COUNTY	STATE	ACRES
Butcher, W.E. #1	47-013-2776	BUTCHER, W. E. ET AL	HOPE NATURAL GAS CO.	31/265	LEE	CALHOUN	WV	160
Butcher, W.E. #4	47-013-3737							
Butcher, W.E. #5	47-013-3734							
Butcher #319	47-013-4677							
King, Helen B.	47-016-4092	BEE, WILLIAM E. ET UX	HOPE NATURAL GAS CO.	31/237	LEE	CALHOUN	WV	24
King, Helen B. #1	47-013-2192							
Meredith & Hassig #1	47-013-2816L	MEREDITH, C. S. ET AL	CARTER OIL COMPANY	31/256	LEE	CALHOUN	WV	220
Meredith & Hassig #10	47-013-2845							
Meredith & Hassig #12	47-013-3301							
Meredith & Hassig #14	47-013-3302							
Meredith & Hassig #16	47-013-3736							
Meredith & Hassig #17	47-013-3735							
Meredith & Hassig #18	47-013-3893							
Meredith & Hassig #19	47-013-3884L							
Meredith & Hassig #20	47-013-3899							
Meredith & Hassig #21	47-013-3800							
Meredith & Hassig #22	47-013-3895							
Connolly, Della #2	47-013-2778	CONNOLLY, RANDALL ET AL	PENNZOIL COMPANY	64/148	LEE	CALHOUN	WV	35
Connolly, Della #4	47-013-3298							
Connolly, Della #5	47-013-3396							
Connolly, Della #6	47-013-3764							
Connolly C. #3	47-013-3870	CONNOLLY, RANDALL ET AL	PENNZOIL COMPANY	70/385	LEE	CALHOUN	WV	151.5
Connolly, C. #10	47-013-3896							
Connolly, C. #11	47-013-3897							
Connolly, C. #12	47-013-3898							
Connolly, C. #6	47-013-3785							
Connolly, G. #7	47-013-3502L							
Connolly, C. #9	47-013-3901L							
Dusky, James #1	47-013-1831	DUSKEY, DANIEL ET AL	FRANCIS E. CAIN	40/412	LEE	CALHOUN	WV	120
Dusky, James #4	47-013-3687							
Dusky, James #5	47-013-3739							
Dusky, James #6	47-013-3738							
Dusky, James 7	47-013-3766							
Foggin, Jack #1	47-013-4142							

1303785R

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WW-9  
(5/13)

Page \_\_\_\_\_ of \_\_\_\_\_  
API Number 47 - 013 - 3785  
Operator's Well No. C. Connolly # 6

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Triad Hunter, LLC OP Code \_\_\_\_\_

Watershed (HUC 10) Steel Run Quadrangle Arnoldsburg

Elevation 899' GL County Calhoun District Lee

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes \_\_\_\_\_ No X

Will a pit be used for drill cuttings? Yes \_\_\_\_\_ No X - No Pit

If so, please describe anticipated pit waste: \_\_\_\_\_

Will a synthetic liner be used in the pit? Yes \_\_\_\_\_ No X If so, what ml.? \_\_\_\_\_

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection ( UIC Permit Number \_\_\_\_\_ )
- Reuse (at API Number \_\_\_\_\_ )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Completion fluids will be flowed/swabbed into production tank: No water will be used in treatment.)

Will closed loop system be used? N/A

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. N/A

-If oil based, what type? Synthetic, petroleum, etc. \_\_\_\_\_

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A - No Cuttings

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) \_\_\_\_\_

-Landfill or offsite name/permit number? \_\_\_\_\_

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature [Signature]

Company Official (Typed Name) Rocky Roberts

Company Official Title Senior VP Appalachian Operations

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SEP 23 2013  
WV Department of  
Environmental Protection

Subscribed and sworn before me this 16<sup>th</sup> day of September, 2013

Elizabeth R. Tebay  
Notary Public



ELIZABETH R. TEBAY  
NOTARY PUBLIC  
In and For The State of Ohio  
My Commission Expires

My commission expires 2-29-16

Form WW-9

Operator's Well No. C. Connolly # 6

Proposed Revegetation Treatment: Acres Disturbed one (1) Prevegetation pH 5.5

Lime two (2) Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 600 lbs/acre (500 lbs minimum)

Mulch 90-100 bales /acre Tons/acre

Seed Mixtures

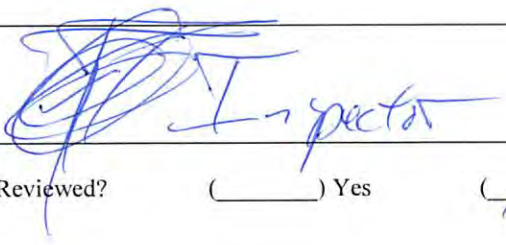
Seed Type	Area I lbs/acre	Seed Type	Area II lbs/acre
Orchard Grass	30%		
Rye ( Annual & BT )	35%		
Timothy ( Climax )	25%		
Clover ( Med, Red )	10%		

Attach:  
Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: 

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Title:  Inspector

Date: 9/13/13

Field Reviewed? ( ) Yes ( X ) No

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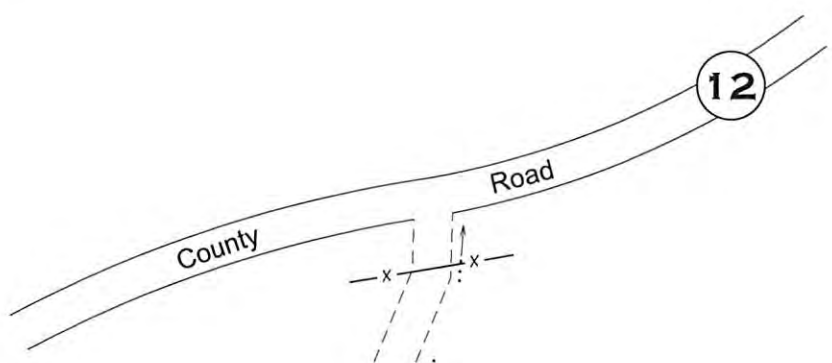
SEP 23 2013

WV Department of  
Environmental Protection

# Reclamation Plan For:

## C. Connolly No.6

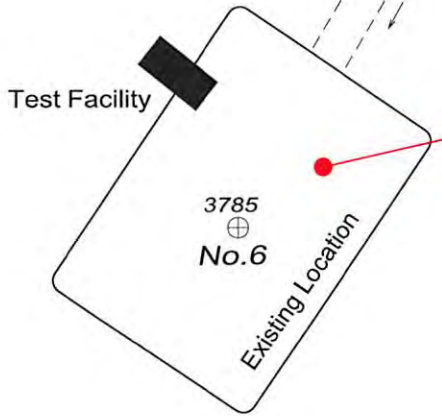
47-013-3785



CONNOLLY HERITAGE CORP.  
- SURFACE OWNER

Use approximately 350'  
of existing access road.  
Maintain all drainage structures.

*[Handwritten signature]*  
9/13/13



**NOTE:**  
WELL LOCATION WAS BUILT AND RECLAIMED UNDER DRILLING PERMIT No.47-013-3785. ONLY MINIMAL EARTHWORK WILL BE REQUIRED FOR PROPOSED WELL WORK. ALL DISTURBED AREAS WILL BE RE-VEGETATED AS PER THE SEEDING PLAN ON FORM WW-9. NO WORK-OVER PIT WILL BE REQUIRED FOR PROPOSED WELL WORK.

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**NOTE**  
REFER TO THE WVDEP  
EROSION AND SEDIMENT CONTROL  
FIELD MANUAL VER. MAY 2012 FOR  
BMPs CONTROLLING EROSION AND  
SEDIMENT FROM SOIL-DISTURBING  
OPERATIONS.

Notes: WV Department of  
Environmental Protection

- Requested permit is for workover of existing well.
- Access from County Road to well location is existing. Structures will be maintained.
- All disturbed areas will be re-vegetated as outlined on Form WW-9.
- Maintain sediment barriers and drainage structures.
- All road grades <5% except as noted.

1303785R

SUBJECT WELL  
C. Connolly No.6  
47-013-3785

E.

480

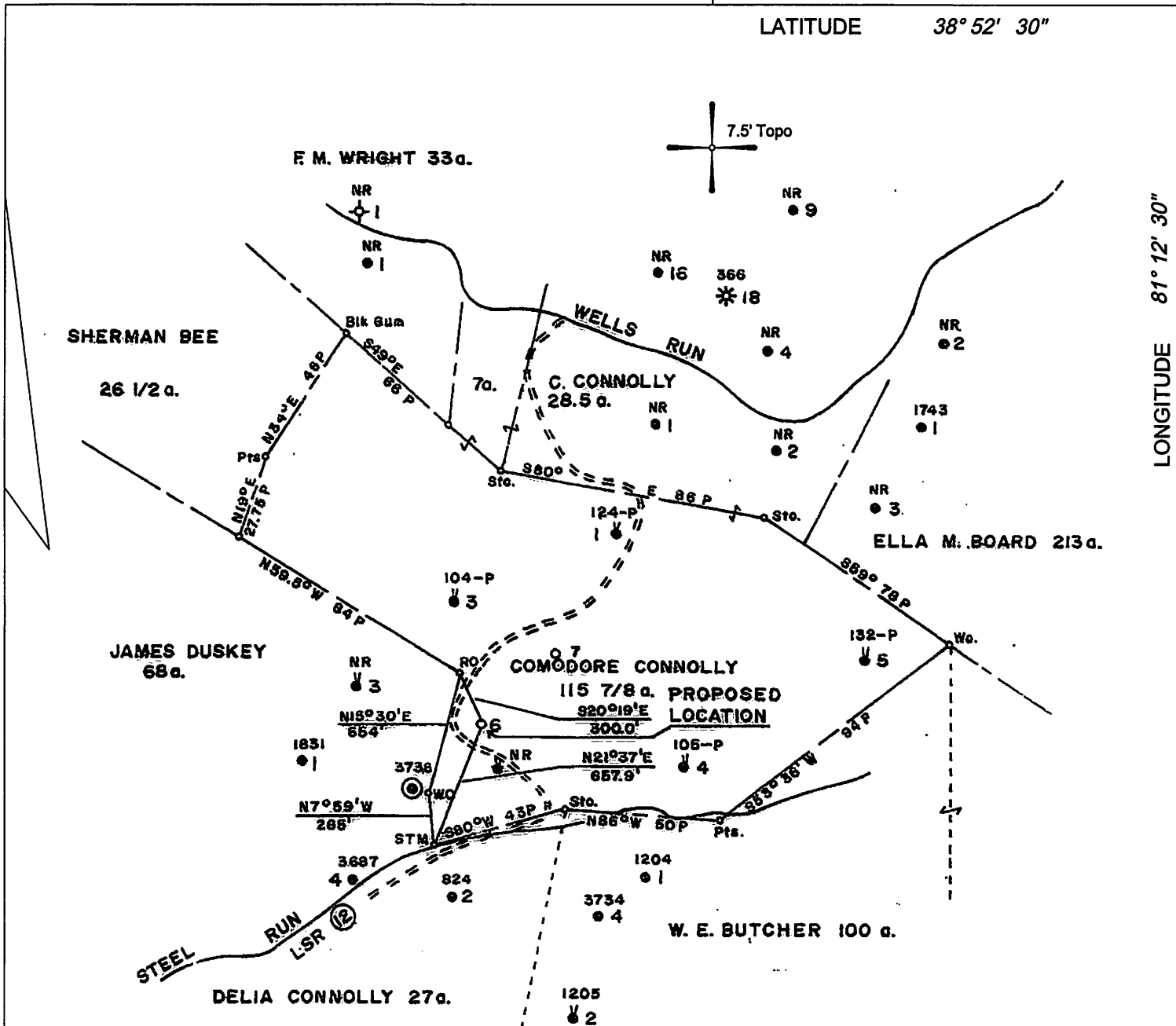


Section of  
WV Department of  
Environmental Protection  
Arnoldsburg 7.5' Quadrangle

SCALE 1"=1000'

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NOTES

- 1 - The survey drawing shown hereon is from the original drilling permit plat dated 8/6/1984 by Curtis A. Lucas, PS. Plat was re-drafted to show updated surface owner names and as-drilled Latitude and Longitude information.
- 2 - Well Latitude and Longitude established by DGPS (Sub-Meter Mapping Grade).

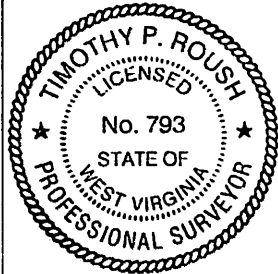
**UTM Coordinates**  
 NAD 1983 (m.)  
 N - 4,302,371 m.  
 E - 480,044 m.

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 800'  
 MINIMUM DEGREE OF ACCURACY \_\_\_\_\_  
 PROVEN SOURCE OF ELEVATION WVDEP Records (Original Survey)

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

(SIGNED) *[Signature]*  
 TIMOTHY P. ROUSH PS 793



WEST VIRGINIA  
 Division of Environmental Protection  
 Office of Oil and Gas  
 601 57th Street  
 Charleston, West Virginia 25304

DATE August 20, 2013  
 FARM C. Connolly No.6  
 API WELL NO. 47-013-03785R

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION 857.21' WATERSHED Steel Run  
 DISTRICT Lee COUNTY Calhoun  
 QUADRANGLE Arnoldsburg 7.5'  
 SURFACE OWNER Connolly Heritage Corp. ACREAGE 115 Ac.  
 OIL & GAS ROYALTY OWNER Triad Hunter LLC et al. LEASE ACREAGE \_\_\_\_\_  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION Berea ESTIMATED DEPTH 2,525'  
 WELL OPERATOR Triad Hunter, LLC DESIGNATED AGENT Kimberly Arnold  
 ADDRESS 125 Putnam Street ADDRESS P.O. Box 154  
Marietta, OH 45750 Waverly, WV 26184

1303785R

WW-2B1  
(5-12)

Well No. C. Connolly # 6

West Virginia Department of Environmental Protection  
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name Microbac Laboratories, Inc.  
Sampling Contractor Quality Environmental Service, Inc.

Well Operator Triad Hunter, LLC  
Address 125 Putnam Street  
Marietta, Ohio 45750  
Telephone (740) 374-2940

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

No domestic water wells within 2000 feet

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WV Department of  
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